CLAIMS

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- 1. A fluid distributor, particularly a hydraulic manipulator, of the type comprising
- of which opens on to at least one face (8) of the body (5),
- at least one pressure reducing valve (2) which is mounted in the body (5), and which comprises a push rod (11) mounted movably at the level of the open end (9), a 10 plunger (3) mounted in the cavity (4) and a control spring interposed between the push rod and the plunger, the said plunger being mounted so that it can oscillate translation to carry out the pressure reduction 15 function, and whose equilibrium point depends on compression of the control spring caused by depression of the push rod and the output control pressure to be delivered to a downstream device,
- a control member (6) for modifying the depression of 20 the push rod (11) in order to control the value of the delivered pressure, the control member (6) being mounted pivotably facing the said face (8) of the body (5) and comprising at least one finger (10),
- means forming a solenoid (15) which can deliver a
 25 magnetic field in a direction substantially parallel to
 the direction of translation of the plunger, which are
 mounted in the body (5) substantially coaxially with the
 push rod (3), and which form a bearing surface (17)
 substantially coplanar with the said face (8) of the body
 30 (5),
 - an armature (16), made from a material sensitive to the field, which can be moved in translation magnetic simultaneously with the push rod (11),and comprises a contact surface (18) located to face the bearing surface (17) of the means forming the solenoid (15), in such a way that it bears on this bearing surface

to lock the push rod (11) in position with a predetermined attractive force,

characterized in that it additionally comprises means (20) for fastening the armature (16) to the finger (10),

- 5 these means delimiting a window into which the finger projects substantially transversely, in that the push rod (11) is mounted so that it passes with a clearance into the armature (16) and projects into the window (21), and in that the finger (10) is interposed between the fastening means (20) and the push rod (11).
 - 2. The fluid distributor as claimed in claim 1, characterized in that the fastening means (20) and the armature (16) jointly delimit the window (21).
- 3. The fluid distributor as claimed in claim 2, characterized in that the fastening means comprise a stirrup (25) which forms the upper jamb (26) and the side walls (27, 28) of the window (21), the lower jamb (29) of the window (21) being formed by the armature (16).
- The fluid distributor as claimed in claim 3,
 characterized in that the finger (10) is in point contact with the upper jamb (26) of the window (21).
 - 5. The fluid distributor as claimed in claim 4, characterized in that the finger (10) comprises a spherical tip (30) on which the upper jamb (29) of the window (21) bears.
 - 6. The fluid distributor as claimed in any one of claims 1 to 5, characterized in that the armature (16) comprises a washer made from ferrous material.
- 7. The fluid distributor as claimed in any one of claims 30 3 to 6, characterized in that the stirrup (25) is overmolded on the washer (16).

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- 8. The fluid distributor as claimed in any one of claims 3 to 6, characterized in that the stirrup (25) and the armature (16) are made in one piece.
- 9. The fluid distributor as claimed in any one of claims to 6, characterized in that the upper jamb (26) and the

side walls (27, 28) are fixed to the washer (16) by screwing.

10. The fluid distributor as claimed in claim 9, characterized in that the side walls (27, 28) are spacers (35, 36) through which screws (37, 38) pass.